In the claims:

For the Examiner's convenience, all pending claims are presented below with changes shown.

1   1.   (Original)   A method comprising:

2   receiving a first identification (ID) at a computer system from a server via a

3   transmission medium;

4   comparing the first ID with a second ID stored at a first analog front end coupled

5   to the computer system; and

6   certifying a first software-defined radio for operation if the first ID matches the

7   second ID.

1   2.   (Original)   The method of claim 1 further comprising disabling the first

2   software-defined radio if the first ID does not match the second ID.

1   3.   (Original)   The method of claim 1 further comprising storing the first ID in a

2   memory device within a baseband unit at the computer system prior to comparing the

3   first ID with the second ID.

1   4.   (Original)   The method of claim 1 further comprising downloading a protocol

2   corresponding with the first software-defined radio.

1   5.   (Original)   The method of claim 4 wherein the first ID and the wireless

2   protocol are received as a component of a signed manifest.

1   6.   (Original)   The method of claim 5 further comprising:

2   validating the signed manifest; and

3   executing the protocol at a baseband unit if the manifest is validated.

1   7.   (Original)   The method of claim 1 further comprising:

2   receiving a third identification (ID) at the computer system from the server via the

3   transmission medium;

4   comparing the third ID with a fourth ID stored at a second analog front end

5   coupled to the computer system; and

6   certifying a second software-defined radio for operation if the third ID matches

7   the fourth ID.

1   8.   (Original)   A computer system comprising a first software-defined radio

2   including:

3   a baseband unit; and

4   a first analog front-end coupled to the baseband unit;

5   the first software-defined radio being certified for operation by authenticating a

6   first identification (ID) received at the baseband unit with a second ID stored at the first

7   analog front end.

1   9.   (Original)   The computer system of claim 8 further comprising:

2   an input/output (I/O) bus coupled to the baseband unit; and

3   a network controller coupled to the I/O bus.

1   10.   (Original)   The computer system of claim 9 wherein the first ID is received

2   from a server computer via a transmission medium coupled to the network controller.

1   11.   (Original)   The computer system of claim 10 wherein a protocol

2   corresponding to the first software-defined radio is also received from the server

3   computer.

1   12.   (Original)   The computer system of claim 9 wherein the baseband unit

2   comprises:

3   an I/O interface coupled to the I/O bus;

4   a digital signal processor (DSP) coupled to the I/O interface; and

5   a second bus coupled to the DSP.

1 13. (Original) The computer system of claim 12 wherein the baseband unit

2 further comprises:

3   a volatile memory coupled to the DSP; and

4   a non-volatile memory coupled to the DSP.

1 14. (Original) The computer system of claim 12 wherein the analog front end

2 comprises:

3   analog-digital/digital-analog (AD/DA) conversion logic coupled to the second

4 bus;

5   modulation logic coupled to the AD/DA conversion logic;

6   a transceiver coupled to the modulation logic; and

7   an antenna coupled to the transceiver.

1 15. (Original) The computer system of claim 14 wherein the analog front end

2 comprises a non-volatile memory that stores the second ID.

1 16. (Original) The computer system of claim 12 further comprising a second

2 software-defined radio including:

3   the baseband unit; and

4   a second analog front-end coupled to the baseband unit;

5   the second software-defined radio being certified for operation by authenticating a

6 third ID received at the baseband unit with a fourth ID stored at the second analog front

7 end.

1 17. (Original) A network comprising:

2   a first client computer;

3   a transmission medium coupled to the first client computer; and

4   a server computer, coupled to the transmission medium, that transmits first

5   identification (ID) data to the first client computer upon receiving a request from the

6   client computer to certify a first software-defined radio implemented at the first client

7   computer.

1   18.   (Original)   The network of claim 17 further comprising a second client

2   computer coupled to the transmission medium, the server computer transmits the first ID

3   data to the second client computer upon receiving a request from the second client

4   computer to certify the first software-defined radio implemented at the second client

5   computer.

1   19.   (Original)   The network of claim 17 wherein the server computer transmits

2   second ID data to the first client computer upon receiving a request from the first client

3   computer to certify a second software-defined radio implemented at the first client

4   computer.

1   20.   (Original)   A method comprising:

2   receiving a request at a server computer to certify a first software-defined radio

3   implemented at a first client computer; and

4   transmitting first identification (ID) data corresponding to the first software-

5   defined radio to the first client computer.

1   21.   (Previously Presented)   The method of claim 21 further comprising

2   transmitting a radio protocol corresponding to first software-defined radio to the first

3   client.

1   22.   (Original)   The method of claim 20 further comprising:

2   receiving a request at the server computer to certify the first software-defined

3   radio implemented at a second client computer; and

4   transmitting the first ID data to the second client computer.

1   23.   (Original)   The method of claim 20 further comprising:

2   receiving a request at the server computer to certify a second software-defined

3   radio implemented at the first client computer; and

4   transmitting second ID data corresponding to the second software-defined radio to

5   the second client computer.